1. No.
   2023Y003

2. Title
   Relationship between Colonic Mucosal Temperature and Intestinal Bacteria

3. Period
   2023-2024

4. Summary
   In this study, we investigated factors related to the pathology of inflammatory bowel disease by measuring the colonic mucosal temperature and analyzing the local intestinal flora. The cecal mucosal temperature was 0.27℃ higher than the rectal mucosal temperature and 0.7℃ higher than the axillary temperature. It was shown that the deep temperature is maintained higher than the body surface temperature, and further study is required to determine the physiological significance of the temperature differences in each part of the large intestine. In this study, we focused on the intestinal flora due to differences in mucosal temperature, but no differences were found in the analyzed samples. In addition, we were unable to collect a sufficient number of cases to analyze the relationship between smoking and mucosal temperature. We have a plan to analyze the intestinal flora by additional examination of the stored samples.